

1 7. The method of Claim 1 wherein the step of assigning comprises the step of loading a
 2 programmable device and a predetermined data structure associated with each interface
 3 with the selected modified address.

1 8. The method of Claim 7 wherein the programmable device is an application specific
 2 integrated circuit.

1 9. The method of Claim 1 further comprising the step of returning the selected modified
 2 address to the address pool upon destroying the aggregate.

1 10. A system for implementing a pool containing a plurality of modified addresses
 2 adapted for assignment to an aggregate, the system:
 3 a processor;
 4 a network adapter coupled to the processor, the network adapter including physi-
 5 cal interfaces connected to links of the aggregate;
 6 an operating system executable by the processor, the operating system comprising
 7 a virtual interface process configured to collect addresses originally assigned to the
 8 physical interfaces, the virtual interface process modifying each originally assigned ad-
 9 dress by asserting a predetermined bit of the address; and
 10 a memory coupled to the processor, the memory organized as a pool of modified
 11 addresses,
 12 wherein the virtual interface process assigns a selected modified address from the
 13 pool as a modified address for the aggregate.

1 11. Apparatus for implementing a pool containing a plurality of unique addresses adapted
 2 for assignment to an aggregate of a server, the apparatus comprising:
 3 means for collecting addresses originally assigned to physical interfaces of a net-
 4 work adapter of the server;
 5 means for modifying each originally assigned address by asserting a predeter-
 6 mined bit of the address;

7 means for organizing the modified addresses as the address pool of unique ad-
8 dresses for the aggregate; and

9 means for assigning a selected modified address from the pool as the unique ad-
10 dress for the aggregate.

1 12. The apparatus of Claim 11 wherein each address is a medium access control (MAC)
2 address.

1 13. The apparatus of Claim 12 wherein the predetermined bit is bit 46 of the MAC ad-
2 dress.

1 14. The apparatus of Claim 11 wherein the means for collecting comprises means for
2 collecting addresses from a predetermined data structure associated with each interface.

1 15. The apparatus for Claim 11 further comprising means for returning the selected
2 modified address to the pool upon destroying the aggregate.

1 16. A computer readable medium containing executable program instructions for imple-
2 menting a pool containing a plurality of unique addresses adapted for assignment to an
3 aggregate of a server, the executable program instructions comprising program instruc-
4 tions for:

5 collecting addresses originally assigned to physical interfaces of a network
6 adapter of the server;

7 modifying each originally assigned address by asserting a predetermined bit of the
8 address;

9 organizing the modified addresses as the address pool of unique addresses for the
10 aggregate; and

11 assigning a selected modified address from the pool as the unique address for the
12 aggregate.

